

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE 03/02707

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G06F17/60 G05B13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
 IPC 7 G06F G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | EP 0 500 997 A (SIEMENS AG) 2 September 1992 (1992-09-02) column 5, line 23 - line 33 --- | 1-11, 17-19 |
| X | WO 02 19209 A (SCA TECHNOLOGIES LLC) 7 March 2002 (2002-03-07) the whole document --- | 1-11, 17-19 |
| X | DE 197 42 906 A (ABB PATENT GMBH) 6 May 1999 (1999-05-06) the whole document --- | 1-11, 17-19 |
| X | DE 195 19 627 A (SIEMENS AG) 5 December 1996 (1996-12-05) the whole document ----- | 1-11, 17, 19 |

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

| | |
|--|--|
| Date of the actual completion of the international search | Date of mailing of the international search report |
| 24 November 2003 | 29/12/2003 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Messelken, M |

Form PCT/ISA/210 (second sheet) (July 1992)

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 12-16
because they relate to subject matter not required to be searched by this Authority, namely:
**Rule 39.1 (iii) PCT - Schemes, rules or methods of
doing business**
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 03/02707

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|--|---|------------------|----------------------------|--|--|
| EP 0500997 | A | 02-09-1992 | EP AT DE JP NO | 0500997 A1 123908 T 59105726 D1 5153723 A 920798 A | 02-09-1992 15-06-1995 20-07-1995 18-06-1993 02-09-1992 |
| WO 0219209 | A | 07-03-2002 | AU WO | 8670601 A 0219209 A2 | 13-03-2002 07-03-2002 |
| DE 19742906 | A | 06-05-1999 | DE | 19742906 A1 | 06-05-1999 |
| DE 19519627 | A | 05-12-1996 | DE | 19519627 A1 | 05-12-1996 |